

Q1
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amx
ii) a tabulation stage in which, for each data record a cell of a result array is determined based on the numerical identifiers for that record, and the result array cell incremented.

2. (Amended) A method as in claim 1, wherein the preprocessing stage includes generating from said data file an encoded data file containing the numerical identifiers for the data values in each field.

IN THE ABSTRACT:

Please add the following new Abstract of the Disclosure.

Q2
A system and method for high speed, high volume tabulation of data using a personal computer. The method involves two sub-processes, pre-processing and tabulation. In pre-processing the data field is separated into individual files, and each distinct value in each of the discrete fields is encoded with an incremental numerical code unique for that field. Tabulation of fields involves the creation of a one-dimensional result array in which each cell will contain the result of tabulation of each combination of distinct field values. The encoded files for all requested fields is then read and the relevant cell for each record is incremented, the relevant cell for each record being identified using a mapping algorithm based on the codes of the fields. This method and system allows tabulation to be done at high speed.